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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/572,709	03/17/2006	Tomoyuki Ando	SHIGA7.046APC	5355
20995 7590 06/04/2008 KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614			EXAMINER	
			SCHILLING, RICHARD L	
			ART UNIT	PAPER NUMBER
			1795	
			NOTIFICATION DATE	DELIVERY MODE
			06/04/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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jcartee@kmob.com eOAPilot@kmob.com

	Application No.	Applicant(s)			
	10/572,709	ANDO ET AL.			
Office Action Summary	Examiner	Art Unit			
	Richard L. Schilling	1795			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be time fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on <u>05 Mar</u> This action is FINAL . 2b) ☑ This Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. ace except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-43 is/are pending in the application. 4a) Of the above claim(s) 21-43 is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-20 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examiner 10) ☐ The drawing(s) filed on is/are: a) ☐ access	election requirement.	- - - - -			
Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Explanation is objected to be a proper in the Explanation is objected to	drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 10/06;4/08.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

1. Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The term "residual film ratio" of the instant claims used to describe a composition is indefinite because the definition on page 8 of the specification does not set forth the prebake conditions or thickness of the film. Thicker films would have less % of their thickness removed by the 60 second developing than thinner films.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being fully met by Uetani et al.'609 or Uetani et al.'381. Both Uetani et al.'609 (col. 1, line 59 – col. 4, line 40; col. 4, line 60 – col. 5, line 11; col. 6, lines 1-26; examples 1,2) and Uetani et al. '387 (col. 1, line 58 – col. 3, line 35; examples 1, 2) disclose compositions with photoacids and hydroxy styrene/ hydroxyadamantyl (meth)acrylate copolymers with acid cleavable groups replacing H on some of the OH. The compositions are disclosed as providing excellent film thickness after development but specific residual film ratios are not disclosed. However, since the compositions of the two Uetani et al. patents have the

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the instant claims.

same copolymer resin components as set forth as preferred in applicants' specification (examples), they would inherently be capable of providing 80% residual film ratios particularly if coated thick enough. Also, the term residual film ratio is indefinite as explained in paragraph 1 above and does not clearly further limit the compositions of

3. The prior art cited by applicants has been considered. Uetani et al.'306, Uetani et al. '307, Uetani et al. '070, Fujishima et al., Sato et al.'986 and Takata et al.

are cited of interest as disclosing positive resist compositions with resins of OH

adamantyl acrylate with acid cleavable groups.

. 4. The election without traverse is noted.

.Any inquiry concerning this communication should be directed to Richard L. Schilling at

telephone number 571-272-1335.

/Richard L Schilling/

Primary Examiner, Art Unit 1795